**Demo-request form – Dispensing- or Munufacturing request**

Dear Customer,

Please fulfill the contact details and the demo-request form, which will help us to implement your dispensing application into the automation process of the dispensing system.

All obtained information will be treated confidential and according GDPR guidelines.

Thank you for completing this form and we are looking forward to a fruitful cooperation.

|  |  |  |
| --- | --- | --- |
|  | Customer details | Our partner/ manufacturer details: |
| Company | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | INTER-ARRAY by fzmb GmbH |
| Street | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Geranienweg 7 |
| Place | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 99947 Bad Langensalza, Germany |
| Counterpart | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Telefone | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | +49 3603 833140 |
| Fax | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| E-Mail | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | [DGary@fzmb.de](mailto:DGary@fzmb.de) and [Ron.Wolbert@M24You.com](mailto:Ron.Wolbert@M24You.com) |

Please send the fully completed form and possibly other necessary documents to our email address: [Ron.Wolbert@M24you.com](mailto:Ron.Wolbert@M24you.com).

Before sending your solutions and targets, we will contact you for the next step.

The initial half day application or dispensability support is free of charge and additional hours of support we will charge according to our regular rate. (Please contact [info@M24You.com](mailto:info@M24You.com) for rates)

|  |  |  |  |
| --- | --- | --- | --- |
| **Given sample / experiment parameters** | | | |
|  |  |  | Remarks |
| Method | ☐ Instrument | ☐ Manually |  |
| Surrounding conditions | Humidity: % | Room temp: °C |  |
| Sample storage prior spotting | Temp.: °C |  |  |
| Sample storage at spotting | Temp.: °C |  |  |
| Target storage prior spotting | Temp.: °C |  |  |
| Target storage at spotting | Temp.: °C |  |  |
| Target storage after spotting | Temp.: °C |  |  |
| Goal | ☐ Research | ☐ Production |  |

Additional information, if necessary:

|  |
| --- |
|  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Samples** | | | | | | |
| No. | Type of Sample | Conc. of Sample | Conc. of Spot | Solvent / Buffer | Conc. of Buffer | Remarks: more information e.g. adhesives, viscosity, … |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

For dispensing testing with more than 3 samples, please contact us.

*If your* ***samples are toxic, corrosive, flammable, dangerous for the environment, harmful or hazardous*** *in any way, please* ***contact us up front shipping****.*

It is recommended to send an aliquot of **buffer / solvent** for principal tests.

The volume should be **1 to 10 mL**. Please note the **maximum** of **SDS** is **0.01%** and **Tween 0.1%** solved in sample / buffer / solvent.

For special samples (cells, suspensions, etc.) the minimum of sample is higher.

Please contact us for calculation up front.

|  |  |
| --- | --- |
| http://www.m2-automation.de/uploads/pics/triplejet_01.JPG | http://www.m2-automation.de/uploads/pics/triplejet_01.JPG |
| The volume of at least **50 -100 µL per sample** is required for a dispensing test with **picoliter technology** (Piezo-Dispenser; PDMD) | The volume of at least **500 µL per sample** is required for a spotting test with **nanoliter technology** (M2MD Dispenser). |

Additional sample information, if necessary:

|  |
| --- |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Targets** | | | |
| No. | Type | Size in mm | Remarks, e.g. producer and order no., structures, coatings or other special surfaces |
|  | Glass slides | 25x75x1 |  |
|  | Micro titer plates |  |  |
|  | Micro-fluidics |  |  |
|  | Discs (format) |  |  |
|  | CMOS |  |  |
|  | Waver |  |  |

For a spotting test on **more than 4 targets**, please contact us.

Please **send** at least **two more targets of each type** for a prior test spotting to evaluate the dispensing and spot parameter for the required spotting result.

Additional target information (engineering drawing etc.):

|  |
| --- |
|  |

|  |  |  |
| --- | --- | --- |
| **Feature Layouts** | |  |
| E:\5x5 250um.jpg 5 x 5 Array | | E:\ParalleLines 250um.jpg  Parallel Lines |
| E:\10x10 250um.jpg    10 x 10 Array customized | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | A1 | A1 |  |  |  |  |  | G3 | B3 | A1 | | A1 |  |  |  | B3 | G3 |  | G3 | B3 |  | |  |  |  |  | G3 | B3 |  | G3 | B3 |  | |  |  | B3 | G3 |  |  |  | G3 | B3 |  | |  |  | G3 | B3 |  |  |  | G3 | B3 |  | |  |  |  |  | B3 | G3 |  | G3 | B3 |  | |  |  |  |  | G3 | B3 |  | G3 | B3 |  | |  |  |  |  |  |  |  |  |  |  | | A1 |  |  | B3 | B3 | B3 | B3 | B3 | B3 |  | | A1 | A1 |  |  | G3 | G3 | G3 | G3 | G3 | G3 | | |

Please choose **one feature layout** and **one spot to spot distance**.

|  |  |  |
| --- | --- | --- |
| **Experiment Conditions** | | |
| Feature Layout | Spot to spot distance PDMD (center to center) in µm | Spot to spot distance M2-Dispenser (center to center) in µm |
| ☐ 5 x 5 Array | ☐ 150 or smaller: ….. | ☐ 600 |
| ☐ Parallel Lines | ☐ 250 | ☐ 800 |
| ☐ 10 x 10 Array customized | ☐ 400 | ☐ 1.000 |

For a spotting test with **customized feature layout** and **spot to spot distance**, please **contact us**.

|  |  |  |  |
| --- | --- | --- | --- |
| **Additional Conditions** | | | |
| Spot size (diameter) in µm  ☐ dry ☐ wet situation | known | request | Remarks |
|  |  |
| Volume per droplet  ☐ nL ☐ pL ☐ no  preference |  |  |  |
| ☐ GAL-file desired |  | |  |

Please note that the **spot size depends on the combination of circumstances**. The sample solvent, the target surface and the dispensing parameters affects the shape and size of the spot.

**Values for the orientation:**

Piezo-Dispenser; from 30 pL drop volume = approx. 30 – 80 µm spot size

M2-Dispenser; from 5 nL drop volume = approx. 500 – 1.000 µm spot size

Additional pattern information – drawing – explanation:

|  |
| --- |
|  |

|  |  |  |
| --- | --- | --- |
| **After Spotting** | | |
|  |  | Remarks, e.g. cooling required, how? |
| Target storage |  |  |
| Target shipping |  |  |
| Washing, Processing and Measuring\* |  |  |
|  |  |  |

\*If desired, please contact us.

The more we know about your requirements, the better the service we can provide to you. Please give us some information about your expectations and goals:

|  |
| --- |
|  |

**Pattern Details**

Please choose **one pattern** and **fill in the sample description.** An unused feature doesn’t need an extra identification marking. An empty feature is clear enough.

5 x 5 Array

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |

Parallel Lines

|  |  |
| --- | --- |
|  |  |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

10 x 10 Array customized

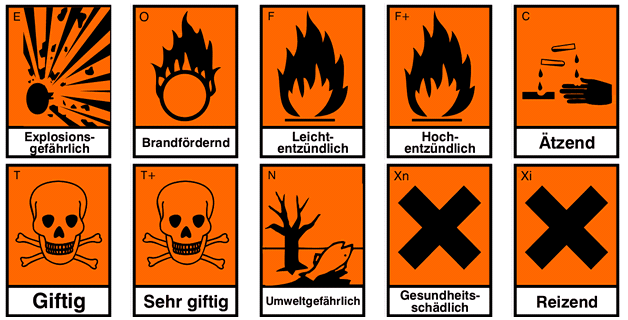
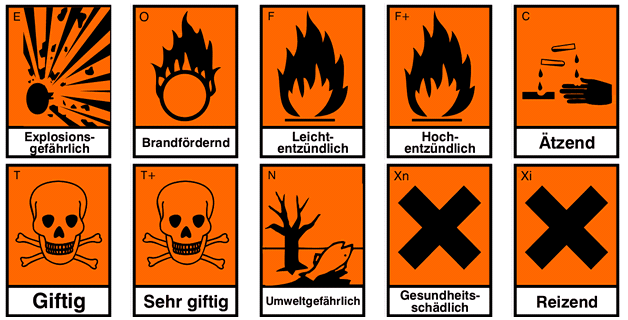
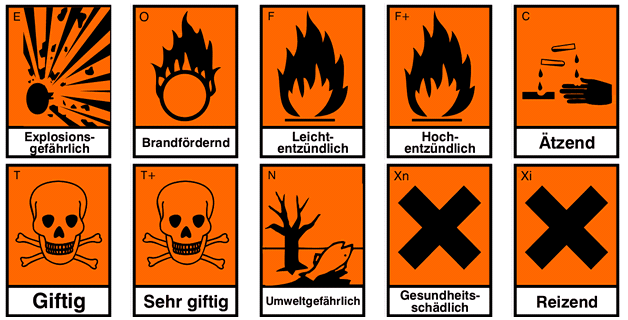
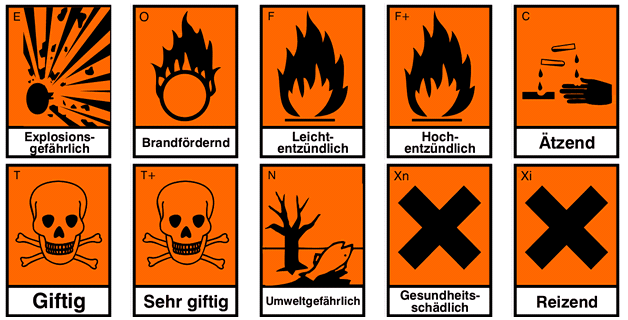
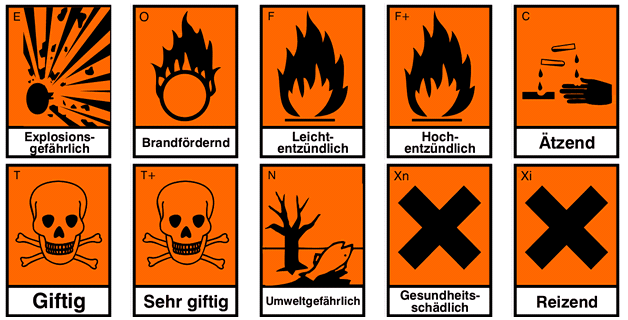
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |

**Clearance / Decontamination Certificate**

Our intent is to present quick and specified service as well as to protect the health of our staff. Therefore, we kindly ask for your understanding that we can only accept the return of our units and their corresponding accessories for repair, service, or inspection with a completed declaration. ***If this declaration is missing, we reserve the right to refuse acceptance and return the equipment or package at customers expense.***

Which medium / solution / solvent has been used?

|  |  |
| --- | --- |
| 1) |  |
| 2) |  |
| 3) |  |



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Number  # | CAS No. | Toxic | Corrosive | Flammable | Harmful | Dangerous for the environment | Harmless |
| Process Medium |  |  |  |  |  |  |  |  |
| Cleaning  Medium |  |  |  |  |  |  |  |  |

**Declaration:**

The unit has not been used with any solutions which are dangerous for the environment.

(if possible, please include MSDS and / or CAS-No.).

The unit has been cleaned thoroughly from the in- and outside. The unit has been emptied before return.

No special security measurements have to be taken into consideration.

The following security measurements concerning residual fluids, cleaning solutions and recycling are necessary. (MSDS sending beforehand).

**Data of your device:**

device designation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

serial number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

defect description \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please mount this document on the outside of the returning package. Make sure it is readable and sealed, to prevent damage from moisture.**

Thank you for the time and the confidence to support this test spotting for getting successful results for your application.

I hereby confirm that the clearance and decontamination certificate has been filled out to the best of my belief.

Date / Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_