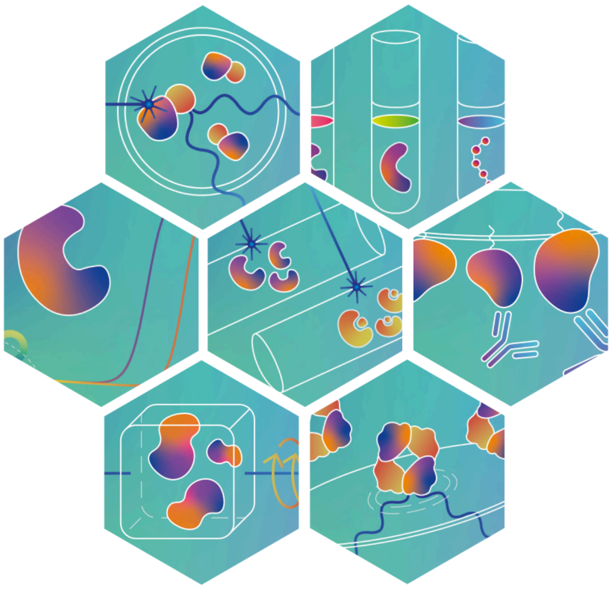
Running the eSPC tools on Windows

February 2026



1. Install WSL2

   a. Open **PowerShell as Administrator** and run:

   ```
   $ wsl --install
   ```

   b. Verify the installation and restart the PC if required:

   ```
   $ wsl --status
   ```

2. Install a Linux distribution

   a. Open **PowerShell as Administrator** and run:

   ```
   $ wsl --install -d Ubuntu
   ```

Instructions provided by the Sample Preparation and Characterisation (SPC) Facility.
For inquires, please contact spc@embl-hamburg.de

3. Install Docker

a. Go to the official Docker website and follow the instructions to install the Docker engine: https://docs.docker.com/engine/install/ubuntu/

4. Pull the docker image and run it

a. In the Ubuntu **Terminal** run:

   i. For **ThermoAffinity**:

```
$ docker pull emblspc/thermoaffinity_espc:1.0
$ docker run -p 3838:3838 emblspc/thermoaffinity_espc:1.0
```

   ii. For **MoltenProt**:

```
$ docker pull emblspc/moltenprot_espc:1.1
$ docker run -p 3838:3838 emblspc/moltenprot_espc:1.1
```

   iii. For **FoldAffinity**:

```
$ docker pull emblspc/foldaffinity_espc:1.0
$ docker run -p 3838:3838 emblspc/foldaffinity_espc:1.0
```

   iv. For **ChiraKit**:

```
$ docker pull emblspc/chirakit_espc:1.0
$ docker run -p 3838:3838 emblspc/chirakit_espc:1.0
```

   v. For **PhotoMol**:

```
$ docker pull emblspc/photomol_espc:2.0
$ docker run -p 3838:3838 emblspc/photomol_espc:2.0
```

   vi. For **KinGenie**:

```
$ docker pull emblspc/kingenie_espc:1.0
 $ docker run -p 3838:3838 emblspc/kingenie_espc:1.0
```

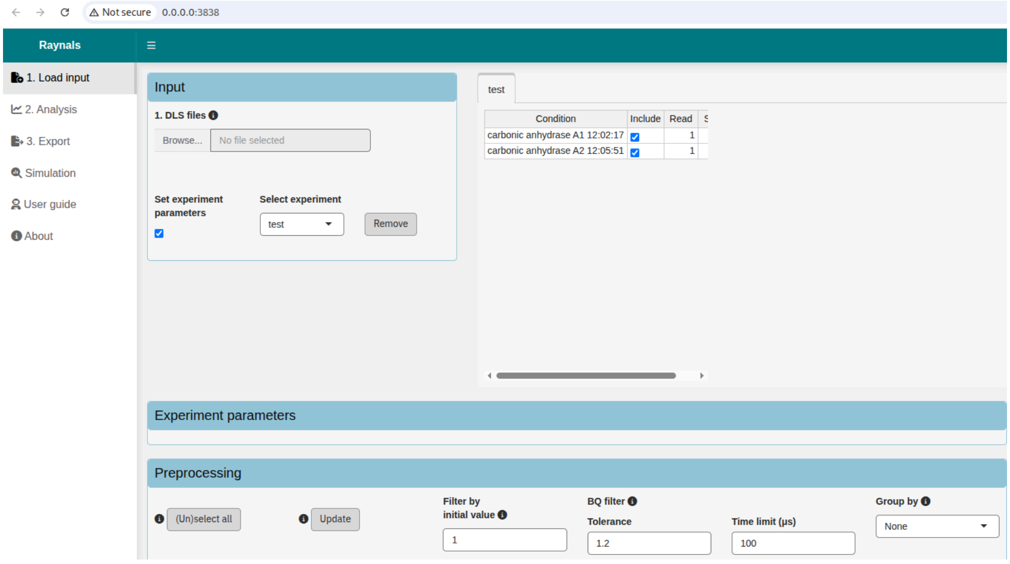
vii. For **Raynals**:

```
$ docker pull emblspc/raynals_espc:1.0
  $ docker run -p 3838:3838 emblspc/raynals_espc:1.0
```

5. Open the tool

a. Open any Browser and go to http://0.0.0.0:3838/

Congratulations! The tool should be open and ready for use.



Not secure 0.0.0.0:3838

1. DLS files: No file selected

Set experiment parameters ☑

Select experiment: test

Condition	Include	Read
carbonic anhydrase A1 12:02:17	☑	1
carbonic anhydrase A2 12:05:51	☑	1

Filter by initial value: 1

BQ filter

Tolerance: 1.2

Time limit (μs): 100

Group by: None