

# HOW TO FIND THE RIGHT PUMP

## 13 TIPS FOR CHOOSING A SYRINGE PUMP

### 1 Flow Rate Range

Consider your volumetric range (nL,  $\mu$ L, mL) by time (msec, sec, min, hour).

### 2 Syringe Size Compatibility

Make sure the pump is fit for the syringe size needed.

### 3 Number of Channels

Determine if you need a single, or multi-channel pump.

### 4 Accuracy and Precision

For high precision, select a pump with high resolution along the drive arm.

### 5 Programmability and Control

Choose a programmable device to toggle fluid handling and different pumping modes.

### 6 Budget

Balance necessary features with your budget constraints.

### 7 Application-Specific Features

For unique applications, look for pumps marketed exclusively for that purpose.

### 8 User Interface

Choose a syringe pump for both ease-of-use and functionality.

### 9 Communication & Connectivity

Determine if you require remote control via Wi-Fi, ethernet, RS-232 or USB connection.

### 10 Accuracy Calibration

For greater accuracy, choose a pump with internal calibration capabilities.

### 11 Pulse-Free Operation

Select a syringe pump with smooth and pulseless options when stable flow rates are vital.

### 12 Compatibility with Fluids

Be sure the syringe pump is compatible with solutions you use.

### 13 Maintenance and Service

Consider the warranty and the vendor's product support after purchase.

