

α-AMYLASE

Continuous-spectrophotometric
IFCC

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

Instrument: **MONARCH**

Reagent preparation

Working Reagent: Pour the contents of the Reagent B into the Reagent A bottle. Mix gently. Other volumes can be prepared in the proportion: 4 mL Reagent A + 1 mL Reagent B. Stable for 20 days at 2-8°C.

Instrument settings

| | | | |
|----------------------------------|----------------|--------------------------------------|---------------------|
| Identification parameters | | Data acquisition parameters | |
| Test code | ... | Analysis type | MIX |
| Test name | α-AMYLASE IFCC | | RUN |
| Test mnemonic | AMY | Temperature | 37°C |
| Optical mode | ABSORBANCE | Early time | 10 sec |
| Response algorithm | SLOPE | Delay time | 35 sec |
| Result algorithm | FACTOR | Interval time | 15 sec |
| Loading parameters | | N° of data pts. | 10 |
| Loading type | LOAD | Filter 1 | 405 nm |
| | ANALYZE | Filter 2 | 405 nm |
| Reagent blank | OFF | Monochromator 1 | 405 nm |
| Reference type | DILUENT | Monochromator 2 | 405 nm |
| Sample volume | 5 µL | Compatibility | 9 |
| Sample diluent | 35 µL | Data integrity parameters | |
| Reagent diluent | 10 µL | Integrity tests | SLOPE |
| 1 st reagent (R1) | 100 µL | | SUBSTRATE DEPLETION |
| 2 nd reagent (R2) | 0 µL | | STANDARD ERROR |
| 1 st reagent bar code | ... | | NORMAL RANGE |
| 2 nd reagent bar code | ... | Integrity parameters | |
| Data fit parameters | | Slope | POSITIVE |
| Factor | 3804 | Max Delta Abs/Int | 0.45 |
| Units | U/L | Lower limit | 28 U/L |
| N° of dec. Places | 0 | Upper limit | 100 U/L |
| | | ... To be introduced by the operator | |