

## Synthesis Report

Tracer : FDG Duo c (1.0.0.1)  
Customer batch number :  
Date : 07 Apr 2023  
Operator : Administrator (Administrator)  
Cassette test sequence : GE\_duoFDGc\_PETCS003FL  
GUID: 5009A3BE-3871-4BD4-8437-70807D88A1E9  
Synthesis sequence : GE\_duoFDGc\_LTV\_PETCS020FL\_B  
GUID: BF8E77DE-BF5C-41C3-BEF2-F3F657BCC330  
Synthesizer ID : Module FL2-0288  
Software version : 3.3.0.14 - PLC: 7.75  
  
Workflow ID: : 794-2  
Calibration report number : Id n°1034 FDG Duo c (1.0.0.1) 22 Jun 2021 12:49:29  
Cassette expiry date : 01 Jul 2023  
Cassette reference : 030004062307231052

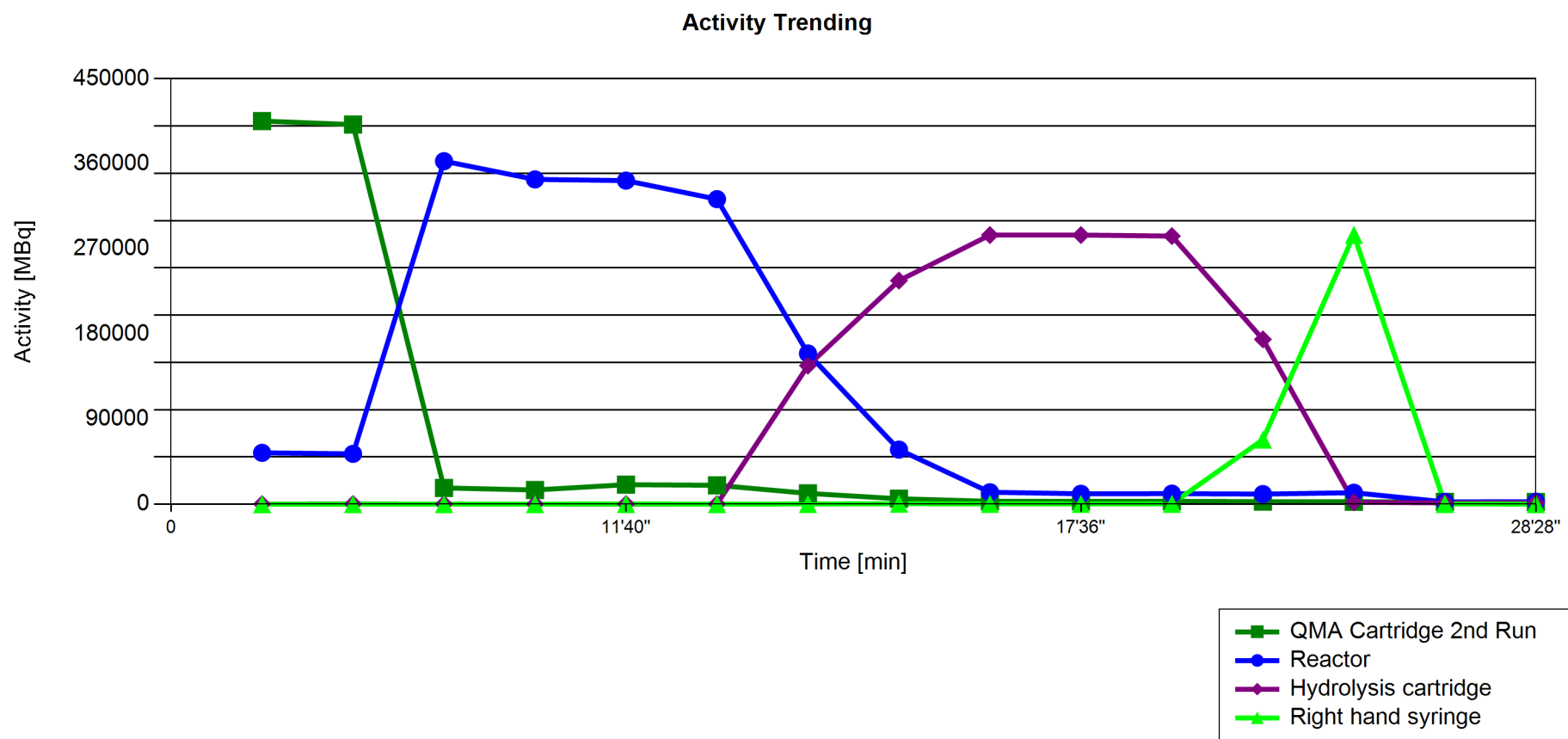
### Process report

Synthesizer test : Successful.  
Cassette test : Successful.  
Synthesis : Successful.  
Pause : Not Used.  
Manual Mode : Not Used.  
Cassette rinsing : Please refer to rinsing report 794.

The values of radioactivity detectors are only indicative.

### Yield summary

Time at reagent connection : 07 Apr 2023 04:00:27  
Time at start of synthesis : 07 Apr 2023 09:13:11  
Time at end of synthesis : 07 Apr 2023 09:35:26  
Synthesis duration : 22 min. 15 s.  
Target volume : 5.0 ml  
Starting activity : 401567 MBq  
Tracer activity : 285002 MBq  
at end of synthesis  
Tracer activity : N/A  
at end of transfer  
Volume of tracer : 22 ml  
Concentration : 12955 MBq/ml  
end of synthesis  
Estimated yield : 71 %  
at end of synthesis  
Estimated yield : 81 %  
decay corrected



## Trending

Measurements Performed	Time from start	QMA Cartridge 2nd Run [MBq]	Reactor [MBq]	Hydrolysis cartridge [MBq]	Right hand syringe [MBq]	Heater reactor [°C]
FDG run2 - Start of Synthesis	00'02"	405353	54308	120	0	25
FDG run2 - 18F trapped on QMA	00'49"	401567	53265	281	53	25
FDG run2 - 18F eluted from QMA to reactor	06'53"	17182	362886	120	53	120
FDG run2 - 18F dried	11'19"	15041	343579	80	161	125
FDG run2 - Start of labelling	11'40"	20655	342317	161	269	124
FDG run2 - End of labelling	13'40"	20002	322695	161	107	125
FDG run2 - First trapping on tC18	15'00"	11437	159431	146579	215	105
FDG run2 - Second trapping on tC18	15'51"	5744	57703	236540	511	97
FDG run2 - Third trapping on tC18	16'47"	3029	12612	284742	403	91
FDG run2 - tC18 cartridge washed	17'36"	3055	11011	284742	349	87
FDG run2 - Start of basic hydrolysis	18'05"	3029	11157	283615	376	85
FDG run2 - End of basic hydrolysis	20'25"	2689	10745	174405	68304	76
FDG run2 - FDG transferred to Syringe S3	22'15"	2559	12152	2013	285002	70
FDG run2 - Transferred to Product Collection Vial	28'22"	2376	2449	1449	295	56
Cassette rinsing	28'28"	2219	2643	1610	107	56

The values of radioactivity detectors are only indicative.

## Log

Severity	Event Time	Message
Information	07 Apr 2023 00:48:21	Cassette RFID tag successfully read. (#1173)
Information	07 Apr 2023 05:19:54	Synthesis succeeded #1



Information

07 Apr 2023 09:42:55

Synthesis succeeded #2

**Operator Comment**

**Operator signature :**

**Responsible signature :**