



NM- DIAGNOSTICS
Measuring protocol for F-18
(preparation)

GENERAL INFORMATION (to read before starting the measurements)

These measurements are performed in the frame of ORAMED research programm.
We thank you very much for your collaboration and you will be informed of the results.

1. The "hospital general information" part has to be filled only once per hospital
2. The "worker general information" part should be filled once for every worker monitored with our TLDs.
3. The "TLD positioning" should be filled once per measuring period.
4. The "Work General information" should be filled once per measuring period.
5. The "production of cyclotron" should be filled every time you produce your nuclide during your working day.(and the same for received nuclides)
6. The "preparation" and "sampling" parts should be filled every day.
7. All manipulations should be done with the TLD already in place.
8. All activities noted down in this protocol should be the activities at the time of manipulation.

For F18 protocol:

- The measuring period with F18 is 1 day.
- Place the TLDs in position by scotching them (the scotch should not cover the TLDs) to a first pair of gloves and use this pair of gloves every time you manipulate F18 during the whole day. A second pair of gloves should be placed over the first pair to avoid contaminating the TLDs.
- Only work realised with F18 should be monitored by this gloves, so if you work with any other radionuclide *do not forget to remove* the measuring gloves before.
- When removing the gloves, place them in a radiation safe place.

IMPORTANT:

If you have any question about this protocol or the way to proceed do not hesitate to contact:

contact.name@institut.country :

Tél.:

1. HOSPITAL GENERAL INFORMATION (to be filled once)

Hospital name and address	
Contact person (Telephone/Fax/e-mail)	
Number of persons in the team	
Any other exposure	
How many days of work per week	

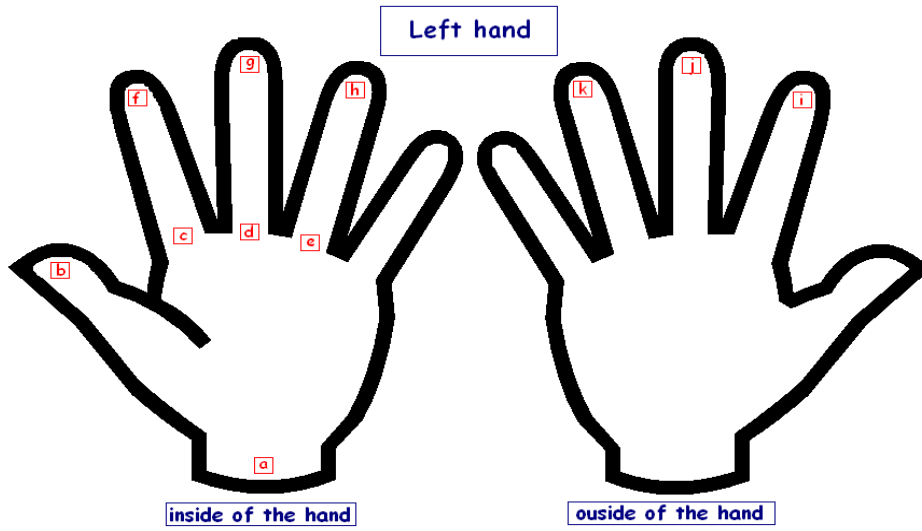
2. WORKER GENERAL INFORMATION (to be filled once per worker)

Worker name			
Worker experience			
Size and material of gloves			
Left handed	<input type="checkbox"/>	right handed	<input type="checkbox"/>

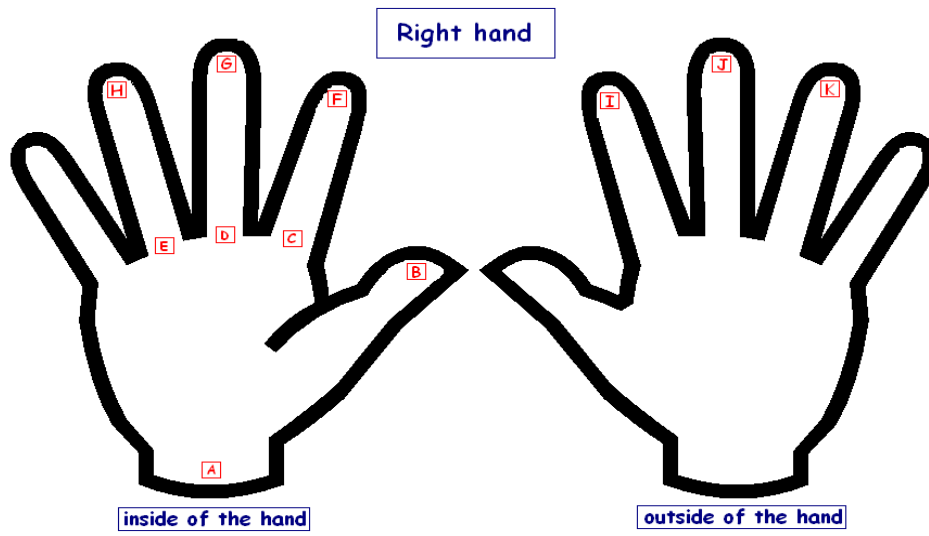
3. WORK GENERAL INFORMATION (to be filled once per measuring period)

Activity received/produced	
Number of production per day	

4. TLD POSITIONNING



	TLD positions	TLD number
Inside the hand	a	
	b	
	c	
	d	
	e	
	f	
	g	
	h	
Outside the hand	i	
	j	
	k	



	TLD positions	TLD number
Inside the hand	A	
	B	
	C	
	D	
	E	
	F	
	G	
Outside the hand	H	
	I	
	J	
	K	

5. SHIELDING CHARACTERISTICS (used during manipulation)

table 1 : type and shielding for vial

	TYPE VIAL		SHIELDING	
	Capacity [ml]	Diameter [mm]	W or Pb	mm
V1				
V2				
V3				
V4				
V5				
V6				
V7				
V8				

table 2 : type and shielding for syringe

N°	TYPE of SYRINGE		SHIELDING	
	Capacity [ml]	Diameter [mm]	W or Pb	mm
S1				
S2				
S3				
S4				
S5				
S6				
S7				
S8				

Product	<input type="checkbox"/>	<input type="checkbox"/>
	received	produced

If received go to step 7

6. PRODUCTION OF CYCLOTRON

Date and time	Total activity of F18 (GBq)	activity per vial (GBq)	TYPE VIAL (V1,V2,V3,... see Table 1)	SHIELDING Y/N

7. Sampling PROCESS (to be filled every day of measurement)

DATE :

Automatic dispenser	
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time hh.mm	activity in syringe or vial (GBq)	Type Syringe (S1,S2,S3... see table 2)	shielding y/n	Type vial (V1,V2,V3,... see table 1)	shielding y/n

8. PREPARING PATIENT DOSES (to be filled every day of measurement)

	before dose taking	after dose taking	Type Syringe (S1,S2,S3... see table 2)
shielding of seringe			

number of doses prepared

	volume [ml]	activities of doses <u>at the time of manipulation</u> (MBq)
dose1		
dose2		
dose3		
dose4		
dose5		
dose6		
dose7		
dose8		
dose9		
dose10		

Remarks : copy the two last pages for each day labelling and for more patient dose