

## **Annex 3: Steps to disinfect the workplace environment when contamination with SARS-CoV-2:**

The IPC team should supervise the cleaning and disinfection procedures. And the appropriate PPE should be put on when doing the cleaning and disinfection procedures:

- Evacuating staff and people from the places where the confirmed/probable case are present.
- Providing a good ventilation in the place.
- Collecting medical waste.
- Cleaning and disinfection procedures of the floor, surfaces, and medical & non-medical equipment used in the workplace environment, by using various methods (wiping, spraying, soaking).
- Utilizing the appropriate disinfectants (chlorine, alcohol) in specific concentrations.
- Leaving the disinfectant solutions for a period of time to dry.

### **How to prepare chlorine solutions?**

Usually, chlorine solutions are prepared to start from a 5% concentrated chlorine solution, where it is diluted with water to get different concentrations used in cleaning and disinfecting floors and surfaces.

The chlorine solution should be left on surfaces for an adequate period of contact: (for the elimination of microbes in general, it is left for at least 10 minutes, and for the elimination of the Coronavirus, it is left at least one minute).

- 0.5% chlorine solution: used to clean spills of infectious substances on surfaces (blood, vomit, pus, stool ... etc). It is prepared by adding one measure of 5% concentrated chlorine to 9 measures of water.

- 0.1% chlorine solution: used in cleaning floors and surfaces in general and work surfaces in places of medium and low risk. It is prepared by adding 20.5 ml of 5% concentrated chlorine to 1 liter of water.

Chlorine solutions should not be used to disinfect some equipment and devices, as they can damage them, and they can be replaced with alcohol 70%.

Chlorine solutions should not be mixed with other cleaning preparations that contain ammonia or phosphoric acid, as mixing these chemicals emits toxic chlorine gas that causes nausea, eye irritation, tears, headache and shortness of breath, and these symptoms may last for several hours.

When exposed to a strong smell after mixing the chlorine solution with another preparation, you must leave the room or place immediately until that smell completely fades. This event can be avoided by making sure that the names of disinfectants are clearly labeled.

للحصول على محلول الكلور بتركيز 0.5% وتركيز 0.1%  
باستخدام محلول الكلور تركيز 5%

يحفظ بعيداً عن أشعة الشمس والحرارة  
يستخدم لتطهير الأسطح

أضف 9 مكابيل ماء مع مكبال واحد من محلول  
الكلور تركيز 5% واجعله في حاوية محكمة الإغلاق

تأكد من ارتدائك لأدوات الحماية الشخصية  
المناسبة قبل تحضير محلول الكلور

محلول كلور  
0.1%

يستخدم لرش الخيم وسيارات الإسعاف وأسفل الأحذية

1 لتر ماء

20.5 مل من محلول الكلور 5%

أضف 20.5 مل من محلول الكلور تركيز 5% إلى 1 لتر ماء

للمحافظة على فعالية محلول الكلور يجب تحضير  
محلول الكلور يوميا في بداية كل يوم  
ويتم التخلص من المحلول المتبقي من اليوم السابق

ملاحظة

تحذير

"لا تشرب من المحلول"  
"لا تضع المحلول على فمك وعينك"