**Figure:**

|  |  |
| --- | --- |
| Maceration extract simplicia methanol solvent | Fresh maceration methanol solvent |
| Maceration extract simplicia ethanol solvent | Ascorbic acid (control) |

**Figure 1.** The relationship curve % of antioxidant activity in the various extract of pomegranate, figs, grapes, and olive

**Tables:**

**Table 1.** Phytochemistry test methanol extract of pomegranate, grape, fig, and olive

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Test** | **Result** | **Standard** |
| 1 | Alkaloid test | Green (-) | White sediment (Mayer) Yellow-red sediment (Dragendorff) |
| 2 | Polyphenol test | Blackish blue (+) | Red, green, purple or deep black |
| 3 | Flavonoid test | Orange (++) | Red, yellow or orange |
| 4 | Saponin test | There is no foam (-) | A stable foam form |
| 5 | Tanin test | Blue (+) | Blackish blue |
| 6 | Steroid/  Triterpenoid test | Blue-green (+)  Black- blue (-) | Blue or green Red or purple |

**Table 2.** The IC50 extract of pomegranate, grape, fig, and olive in the different solvent

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of extract** | **Line Equation** | **Y value** | **X value or IC50** |
| Maceration extract simplicia methanol solvent | y = 1.055x + 2.5847 | 50 | 44.94 |
| Fresh maceration methanol solvent | y = 0.5922x + 19.214 | 50 | 25.22 |
| Maceration extract simplicia ethanol solvent | y=0.524x + 25.07 | 50 | 47.54 |
| Ascorbic acid (control) | y=0.702x + 13.94 | 50 | 51.33 |

**Table 3.** Antioxidant activity based on IC50 value

|  |  |
| --- | --- |
| **IC50** | **Antioxidant Activity** |
| < 50 ppm | Very strong |
| 50 – 100 ppm | Strong |
| 100 – 150 ppm | Medium |
| 150 – 200 ppm | Weak |